

Message Text

PAGE 01 STATE 164432

62

ORIGIN COME-00

INFO OCT-01 EUR-12 ISO-00 EB-07 /020 R

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FM SECSTATE WASHDC

TO AMEMBASSY MOSCOW

UNCLAS STATE 164432

E.O. 11652: N/A

TAGS: BEXP, UR

SUBJECT: OIL/GAS PIPELINE EXHIBIT/SEMINAR IN OCTOBER

FOR JIM BLOW, MOSCOW COMMERCIAL OFFICE

1. LYNN GLOVER OF MCDONNELL/DOUGLAS ASTRONAUTICS COMPANY
WILL PRESENT DURING SEMINAR A PAPER ENTITLED "CRYO-ANCHORS
- A DESIGN APPROACH FOR ARCTIC FOUNDATION".

2. TEXT OF SUMMARY AS FOLLOWS:

"MCDONNELL DOUGLAS ASTRONAUTICS CO. CRYO ANCHORS ARE USED
TO PREVENT POLE JACKING, PREVENT PERMAFROST DEGRADATION
AND PROVIDE SOIL SUBCOOLING AND FREEZING. AS A HEAT PIPE
DEVICE THEY DISPLAY EXCEPTIONAL HEAT TRANSFER CAPABILITY
FROM THE SOIL TO THE COLD ARCTIC AIR WITHOUT EXTERNAL
POWER. THEY ALSO PROVIDE A UNIFORM TEMPERATURE ALONG THE
ENTIRE LENGTH EMBEDDED IN THE SOIL. GENERALLY, THE POWER
AVAILABLE IS SUFFICIENT TO NOT ONLY EXTRACT THE ADDITIONAL
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PAGE 02 STATE 164432

HEAT LOAD WHICH WOULD WARM THE PERMAFROST OVER TIME, BUT
WILL ALSO REDUCE THE PERMAFROST TEMPERATURE. THIS WILL PRO-
VIDE IMPROVED SOIL STRENGTH PROPERTIES AVAILABLE TO FOUN-
DATION DESIGNERS FOR ALL TYPES OF STRUCTURES AND WILL

PARTICULARLY IMPROVE THE ADFREEZE BOND STRENGTH ON PILES
WHICH ARE COMMONLY USED IN ARCTIC FOUNDATIONS. THIS PAPER
PROVIDES TECHNICAL MATERIAL WHICH CAN BE USED IN THE
DETERMINATION OF CRYO ANCHOR PERFORMANCE FOR APPLICATION
TO ARCTIC FOUNDATIONS." INGERSOLL

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<< END OF DOCUMENT >>

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